

NCDOT Prioritization 3.0 Project Summary

SPOT ID: H090411

Mode: Highway

Status: Submitted

(New Route - Stonebridge Drive Extension)

From/Cross Street: NC 18 (South Sterling Street)

Specific Improvement Type: 5 - Construct Roadway on New Location

To: US 70 Bypass (Flemming Drive)

Project Category: Division Needs

Length: 1.53

TIP#: U-3446

Fully Funded in Draft STIP? No

Cost to NCDOT: \$9,809,000

Description:

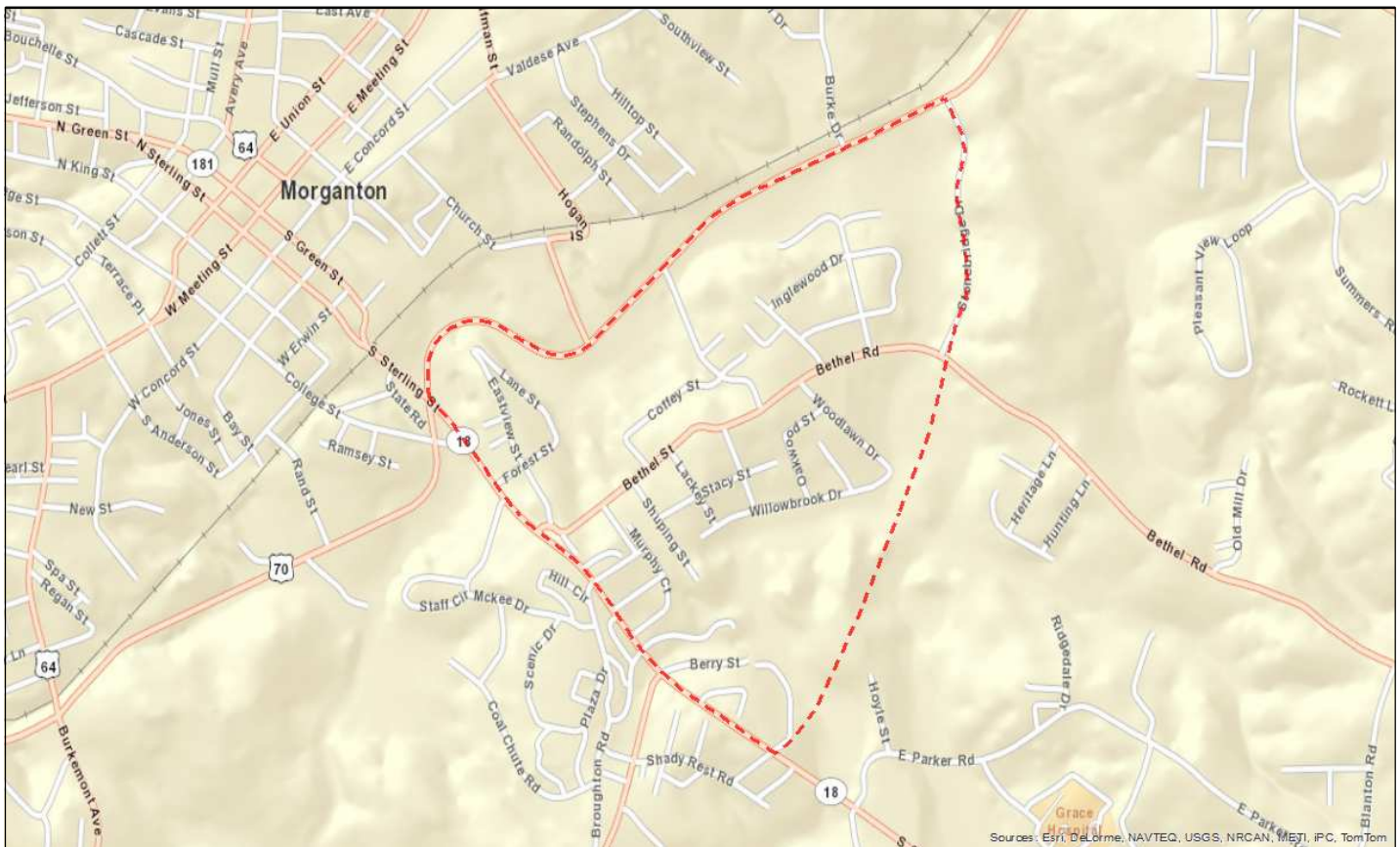
NC 18 (South Sterling Street) to US 70 Bypass (Flemming Drive). Two Lane Connector, Part on New Location.

Division(s): Division 13

County(s): BURKE

MPOS(s)/RPO(s): Greater Hickory MPO

Project Location



Statewide Mobility Total Score: 0

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
Totals: Weight: 0% Weighted Score: 0	N/A	N/A

Regional Impact Total Score: 0

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
Totals: Weight: 0% Weighted Score: 0	Percent: 15% Points:	Percent: 15% Points:

Division Needs Total Score: 0

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
Congestion (V/C) (20%) 36.39 Safety (10%) 47.45 [Travel Time] Benefit/Cost (20%) 11.32 Totals: Weight: 50% Weighted Score: 14.29	Percent: 25% Points:	Percent: 25% Points:

Project Data ***Existing Conditions**

Existing Cross-Section:	
Speed Limit:	45
Length (miles):	2.5
Facility Type:	Arterial
Access Control:	None
Functional Classification:	Other Principal Arterial
Terrain Type:	Rolling
Lane Width:	12
Paved Shoulder Width:	0
Roadway has Curb & Gutter?	Yes
Volume (AADT):	15873.11
Capacity:	31700
Volume/Capacity Ratio:	0.5
% Autos:	96%
% Trucks:	4%
Truck Volume:	567.96
Crash Density:	38.82
Crash Severity:	64.71
Critical Crash Rate:	38.82
Crash Frequency:	0
Severity Index:	0
County Tier Designation:	1
Non-Interstate STRAHNET Route?	No
Average Commuting Time:	19
Existing Median Type (for Cost Estimation):	TWLT
Pavement Condition Rating:	83
Actual Congested Speed:	36.55
Travel Time Index:	1.23

Project Benefits

Project Cross-Section:	2B - 2 Lane Undivided with Paved Shoulders, 25-45 mph
Speed Limit:	45
Length (miles):	1.53
Facility Type:	Arterial
Access Control:	None
Functional Classification:	Other Principal Arterial
Terrain Type:	Rolling
DOT Design Lane Width:	12
DOT Design Paved Shoulder Width:	4
Travel Time Savings for 30 Years (Total):	4973312.29
Travel Time Savings for 30 Years (Autos):	4795360.88
Travel Time Savings for 30 Years (Trucks):	177951.41
Long-Term Employment:	
% Change in Economy:	
Provides Direct Connection to Transportation Terminal?	No
Does project upgrade how the roadway functions?	No
In CTP or LRTP?	No
CTP/LRTP Name:	
CTP/LRTP Completion Year:	
Submitted by:	Division 13

* Data reflects calculations which include weighted averages (where applicable) and represent raw output from the Department's SPOT OnLine tool and associated databases.

Project Ownership**Division**

Division	Percent	Regional Impact	Division Needs
Division 13	100%	0	0
	0%	0	0
	0%	0	0
TOTAL Division Points		0	0

MPO/RPO

MPO/RPO	Percent	Regional Impact	Division Needs
Greater Hickory MPO	100%	0	0
	0%	0	0
	0%	0	0
TOTAL MPO/RPO Points		0	0

Project Cost and Source

Construction Cost:	\$9,234,000	TIP Unit
Right-of-Way Cost:	\$513,000	Cost Estimation Tool
Utilities Cost:	\$62,000	Cost Estimation Tool
Total Project Cost:	\$9,809,000	
Other Funding:	\$0	None
Cost to NCDOT :	\$9,809,000	